

Title (en)
Vibration-absorbing internal combustion engine block

Title (de)
Verbrennungsmotorblock mit Schwingungsdämpfung

Title (fr)
Bloc de moteur a combustion interne amortissant les vibrations

Publication
EP 1956223 B1 20090812 (FR)

Application
EP 08150396 A 20080118

Priority
FR 0752877 A 20070125

Abstract (en)
[origin: EP1956223A1] The assembly has a cylinder case placed above an oil sump, and a sandwich plate (1) interposed between the case and the sump. The plate is fixed, in its periphery, to the case and the sump. The plate is constituted of a central core (1c) placed between a lower sheet (1a) and an upper sheet (1b). The stiffness of the core is 50 times lower than respective stiffness of the sheets. Each sheet comprises a slit permitting a clearance along an axis parallel to width of the plate. The sheets are made of aluminum or steel. The core is made of elastomer.

IPC 8 full level
F02F 7/00 (2006.01)

CPC (source: EP)
F02F 7/008 (2013.01); **F01M 2011/0008** (2013.01)

Cited by
CN102264513A; CN102265013A; JP2012513557A; EP2368029A4; US8701624B2; US9050732B2; WO2010074651A1; WO2010074650A1

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